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Amendment to the Claims:

- 1. (Original) A drug delivery system for localized delivery of phenstatin to a tumor in vivo comprising the polymer poly(N-isopropylacrylamide) chemically bound to phenstatin.
- 2. (Original) The drug delivery system of Claim 1 having the formula poly(N-isopropylacrylamide -co-phenstatin).
- 3. (Original) The drug delivery system of Claim 1 having a lower critical solution temperature above 25 °C and below body temperature.

Cancel claim 4.

- 5. (Amended) The drug delivery system of Claim 1 comprising phenstatin that is acrylated to form phenstatin acrylate and then in addition AAc co-polymerized with poly(N-isopropylacrylamide).
- 6. (Amended) The drug delivery system of Claim 5 containing about 5 mol% to 10 mol% Phenstin phenstatin acrylate.
- 7. (Amended) The drug delivery system of Claim ± 5 wherein Phenstatin acrylate is bound to poly(N-isopropylacrylamide) through an ester bond.

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- 8. (Original) The drug delivery system of Claim 7 wherein Phenstatin acrylate is bound to poly(N-isopropylacrylamide) through a carbonate bond.
- 9. (Amended) A method of preparing the <u>drug delivery system</u> compound of Claim 1 comprising the steps of
 - i. preparing Phenstatin acrylate; and
- ii. polymerizing said Phenstatin acrylate and poly(Nisopropylacrylamide).
- 10. (Amended) The method of Claim 9 wherein said polymerizing step comprises co-polymerization co-polymerizing with acrylic acid.
- 11. (Amended) The method of Claim 9 wherein Phenstatin acrylate is prepared by reacting reaction of Phenstatin with acryloyl chloride.
- 12. (Amended) The method of Claim 9 wherein Phenstatin acrylate is prepared by reaction of reacting Phenstatin with isopropenyl chloroformate.
- 13. (Amended) A method of treating a cancerous tumor wherin comprising injecting the drug delivery system of Claim 1 is locally injected into tumor-containing tissue.
- 14. (Amended) The method of Claim 13 wherein said tumor tissue is in a breast, prostate, lung or bowel tissue.